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10/573,211

Nitride semiconductor device and production method thereof

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014461

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01S5/323, H01L33/00, H01L21/205										
According to International Patent Classification (IPC) or to both national classification and IPC										
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ H01S5/323, H01L33/00										
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched <table border="0"> <tr> <td>Jitsuyo Shinan Koho</td> <td>1922-1996</td> <td>Toroku Jitsuyo Shinan Koho</td> <td>1994-2005</td> </tr> <tr> <td>Kokai Jitsuyo Shinan Koho</td> <td>1971-2005</td> <td>Jitsuyo Shinan Toroku Koho</td> <td>1996-2005</td> </tr> </table>			Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2005	Kokai Jitsuyo Shinan Koho	1971-2005	Jitsuyo Shinan Toroku Koho	1996-2005
Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2005							
Kokai Jitsuyo Shinan Koho	1971-2005	Jitsuyo Shinan Toroku Koho	1996-2005							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)										
C. DOCUMENTS CONSIDERED TO BE RELEVANT										
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.								
X	JP 2002-324913 A (Ricoh Co., Ltd.), 08 November, 2002 (08.11.02), Par. No. {0231}; Fig. 17 (Family: none)	1-2, 10-11, 15								
X	JP 10-126010 A (Ricoh Co., Ltd.), 15 May, 1998 (15.05.98), Par. Nos. {0002}, {0023}; Fig. 1 (Family: none)	1-2, 10-11, 15								
A	JP 2002-314204 A (Ricoh Co., Ltd.), 25 October, 2002 (25.10.02), Par. No. {0033}; Fig. 6 (Family: none)	1-17								
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Date of the actual completion of the international search 05 January, 2005 (05.01.05)		Date of mailing of the international search report 25 January, 2005 (25.01.05)								
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Facsimile No.		Telephone No.								

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014461

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 8-213692 A (Hitachi, Ltd.), 20 August, 1996 (20.08.96), Full text; all drawings (Family: none)	1-17
A	JP 11-224972 A (Nichia Chemical Industries, Ltd.), 17 August, 1999 (17.08.99), Full text; all drawings (Family: none)	1-17
A	JP 2000-349398 A (Nichia Chemical Industries, Ltd.), 15 December, 2000 (15.12.00), Full text; all drawings (Family: none)	1-17
A	JP 10-144962 A (Toshiba Corp.), 29 May, 1998 (29.05.98), Full text; all drawings (Family: none)	1-17
A	JP 2002-111135 A (The Furukawa Electric Co., Ltd.), 12 April, 2002 (12.04.02), Full text; all drawings & US 2002/0041613 A1	1-17

A. 発明の属する分野の分類 (国際特許分類 (IPC))			
Int. Cl ⁷ H01S5/323, H01L33/00, H01L21/205			
B. 調査を行った分野			
調査を行った最小限資料 (国際特許分類 (IPC))			
Int. Cl ⁷ H01S5/323, H01L33/00			
最小限資料以外の資料で調査を行った分野に含まれるもの			
日本国実用新案公報 1922-1996年 日本国公開実用新案公報 1971-2005年 日本国登録実用新案公報 1994-2005年 日本国実用新案登録公報 1996-2005年			
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X	JP 2002-324913 A(株式会社リコー), 2002. 11. 08, [0231], 図17 (ファミリーなし)	1-2, 10-11, 15	
X	JP 10-126010 A(株式会社リコー), 1998. 05. 15, [0002] [0023], 図1 (ファミリーなし)	1-2, 10-11, 15	
A	JP 2002-314204 A(株式会社リコー), 2002. 10. 25, [0033], 図6 (ファミリーなし)	1-17	
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国際調査を完了した日		国際調査報告の発送日	
05. 01. 2005		25. 1. 2005	
国際調査機関の名称及びあて先 日本国特許庁 (ISA/JPT) 郵便番号100-8915 東京都千代田区霞が関三丁目4番3号		特許庁審査官 (権限のある職員) 吉野 三寛 電話番号 03-3581-1101 内線 3253	

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A	JP 11-224972 A(日亜化学工業株式会社), 1999. 08. 17, 全文, 全図 (ファミリーなし)	1-17
A	JP 2000-349398 A(日亜化学工業株式会社), 2000. 12. 15, 全文, 全図 (ファミリーなし)	1-17
A	JP 10-144962 A(株式会社東芝), 1998. 05. 29, 全文, 全図 (ファミリーなし)	1-17
A	JP 2002-111135 A(古川電気工業株式会社), 2002. 04. 12, 全文, 全図 & US 2002/0041613 A1	1-17